

GROUPWORK

Determine whether the following converge absolutely, conditionally or not at all:

(a) $\sum_{n=1}^{\infty} \frac{(-1)^n(2n^4 + 7)}{6n^9 - 2n}$

(b) $\sum_{n=2}^{\infty} \frac{(-1)^n}{\sqrt{n^2 - 1}}$

(c) $\sum_{n=1}^{\infty} \frac{(-1)^n(n+1)!}{2^n n}$ (Hint: Use the Ratio Test Extension on this one!)